

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2005/050104

A. CLASSIFICATION OF SUBJECT MATTER  
INV. H01J5/54 H01J9/34

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 490 702 A (GEN ELECTRIC [US]) 17 June 1992 (1992-06-17) the whole document	1-10
A	EP 1 063 671 A1 (OSRAM SYLVANIA INC [US]) 27 December 2000 (2000-12-27) paragraphs [0001], [0019] - [0021]; figure 6	1-10
A	WO 01/45137 A2 (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP INTELLECTUAL PTY [DE]) 21 June 2001 (2001-06-21) page 1 - page 2; claims 1,5	1-10
A	WO 97/12385 A (PHILIPS ELECTRONICS NV [NL]; PHILIPS NORDEN AB [SE]; PHILIPS PATENTVER) 3 April 1997 (1997-04-03) page 3 - page 10	1-7

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

27 October 2006

Date of mailing of the international search report

21/11/2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax (+31-70) 340-3016

Authorized officer

But, Gabriela-Ileana

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/IB2005/050104

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0490702	A	17-06-1992	CA 2048797 A1	15-06-1992
			JP 4337242 A	25-11-1992
			US 5239226 A	24-08-1993
EP 1063671	A1	27-12-2000	AT 276582 T	15-10-2004
			DE 60013700 D1	21-10-2004
			DE 60013700 T2	29-09-2005
			ES 2226659 T3	01-04-2005
			US 6203169 B1	20-03-2001
WO 0145137	A2	21-06-2001	CN 1358322 A	10-07-2002
			EP 1190439 A2	27-03-2002
			JP 2003517181 T	20-05-2003
			US 2003076025 A1	24-04-2003
WO 9712385	A	03-04-1997	CN 1168193 A	17-12-1997
			DE 69624090 D1	07-11-2002
			DE 69624090 T2	18-06-2003
			ES 2186801 T3	16-05-2003
			HU 9801832 A2	30-11-1998
			ID 16326 A	18-09-1997
			JP 10510672 T	13-10-1998
			US 5839818 A	24-11-1998